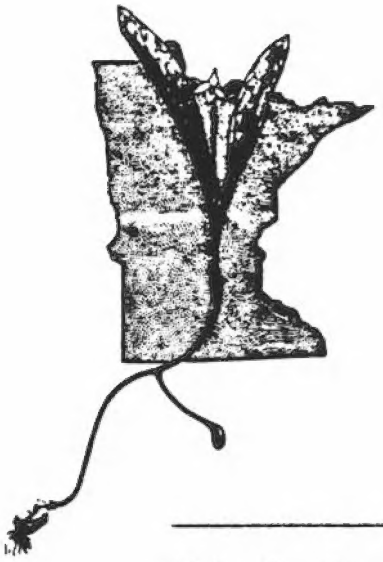

MINNESOTA PLANT PRESS

Vol. 6 No. 1 NEWSLETTER OF THE MN NATIVE PLANT SOC. FALL '86

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*** SPECIAL NOTICE REGARDING OCTOBER 1ST MEETING ***

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The Minnesota Dwarf Trout Lily issue has surfaced again. The issue arose in May 1985 when part of a population of this endangered species was destroyed at Nerstrand State Park. MNPS is being sued for libel by Tony Tonga, the Park Manager at Nerstrand. The complaint was served on September 16, 1986. We must respond by October 6th.

Steve Eckman, a Minneapolis based lawyer, was contacted by Harriet Mason to act as legal counsel. At the October 1st meeting Mr. Eckman will be present to explain our options in this serious matter. Please attend so that the Board of Directors may have a consensus of our membership's opinion. A final decision will be made at this meeting by the membership present.

****

OCTOBER SEED EXCHANGE

The annual Native Seed Exchange of the Minnesota Native Plant Society will be held at the end of the October 1st meeting. The meeting will take place in Room 335 Borlaug Hall (Next to Palmer classroom: See map) at 7:30-9:30 pm. Seeds will be made available to participants, with those people who contribute to the exchange making their selections first. This is a good time to talk to Dr. May Wright and the other members of MNPS who have considerable experience growing native plants. Come share your experiences and seeds!!

SAVING ENDANGERED PLANTS

Approximately 25,000 species of plants are native to this county but one out of every eight of them -- about 3,000 -- are rare or endangered by loss of habitat, land development, predation and other causes.

To the rescue has come the national Center for Plant Conservation. The group is made up of professionals from 20 botanic gardens from the East to the West Coast and Hawaii.

The Group has set as its goal the propagation of endangered plants. These rare plant species may have significance ecologically or in medicine, agriculture or industry.

Known as C.P.C., the group is privately funded and has headquarters at the Arnold Arboretum in Jamaica Plain, Mass. Its co-directors are Don Falk and Frank Thibodeau.

Teams from the organization are presently collecting seed and/or cuttings of endangered plants for propagation at botanic gardens. When the seed and cuttings have been collected, each participating institution will experiment in growing the plants adapted to its particular region. It is expected that a national collection of endangered plants will be formed.

The C.P.C. stresses that this collection will not eliminate the need for habitat preservation. seeds from all species collected will be deposited in the National Seed Storage Laboratory in Fort Collins, Colo. the main facility of the National Germ Plasm System.

-- Joan Lee Faust in N.Y. Times, Aug. 1, 1985. p 17.

WARNING TO GARDENERS

Mr. L.L. May created a beauty spot in Afton. Unfortunately, his eagerness to find new plants for Minnesota led him to set out in his flower garden near the nursery buildings, a European flower not then included in American botany texts: Digitalis lanata. It is now known to have escaped cultivation in the eastern United States. It is one of two species of digitalis used medicinally as a heart stimulant.

Digitalis lanata is ferociously vigorous. From its starting point in Section 3 it has spread relentlessly during the half century since it was introduced here. It invades established sod of hayfields. Unfortunately another healthy colony is growing next to Afton State Park, specifically near the northeast corner.

Afton horses gave the first alarm. They refused to eat hay contaminated with Digitalis lanata. Recently we have secured information that this invader is poisonous to stock.

Many people have expressed interest in this plant. Some have taken up specimens for replanting in their gardens. Some misguided person has started it in the prairie portion of the Butler Gardens in Minneapolis. This is to warn all gardeners that this illegal alien should be eradicated wherever found. It is impossible, by any means I know, to stamp it out where it is already firmly established. But let us show "horse sense" and avoid cultivating it and giving it fresh impetus.

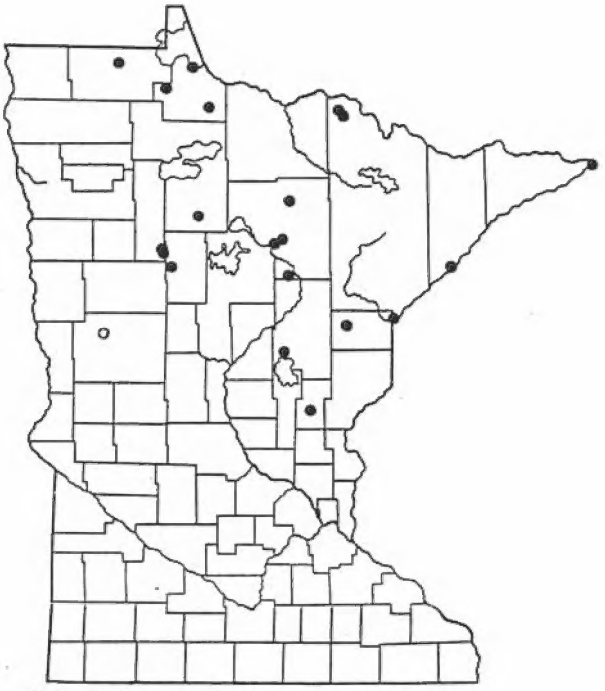
-- Grace B. Stoltze

RANGE EXTENSION FOR THE STRIPED CORAL-ROOT

The Striped Coral-root (Corallorhiza striata Lindl.) was found on 13 May 1986 in mature maple-basswood forest at Maplewood State Park in northwestern Otter Tail County.

According to Morley's "Spring Flora of Minnesota", this species has been reported from Cook to Roseau, Clearwater, and Kanabec Counties. Specimens and map data from the "Atlas of Minnesota Vascular Plant Distributions", by G.B. Ownbey and T. Morley, now in preparation, confirm that no previous record exists for Otter Tail County and that Maplewood State Park represents a notable southwestern extension of the known range of this species in Minnesota.

-- C.L. Argue



● Previously reported localities for Striped Coral Root in Minnesota

○ Maplewood State Park

CULTIVATION GUIDE FOR NATIVE PLANTS

Wildflower gardeners looking for basic information about growing native plants in their gardens can refer to a new 61-page handbook, the Garden in the Woods Cultivation Guide.

Written by the staff of the New England Wild Flower Society, this guide contains basic advice for beginning gardeners who want to know how to plant or transplant wildflowers; gives the cultivation requirements (light, moisture, and soil conditions) as well as plant descriptions for over 275 plants that are cultivated and propagated at the Garden in the Woods; and lists all the plants in the guide in combinations that will grow successfully together. In addition, the booklet includes a common name index and suggested reading list.

To order send $4.50 (includes postage/handling to New England Wild Flower Society, Dept. CG, Garden in the Woods, Hemenway Road, Framingham, MA 01701.

-- from the New England Wild Flower Society, Inc.

WILDFLOWER NURSERIES

The following nurseries are some of those which sell propagated wildflowers (P) and wildflower seeds (S).

Appalachian Wildflower Nursery (P), Rt. 1, Box 275A, Reedsville, Pa 17084.
Environmental Seed Producers (S), P.O. Box 5904, El Monte, Ca 91734.
Great Lakes Wildflowers (P), Box 1923, Milwaukee, WI 53201.
Passiflora (S), Rt. 1, Box 190A, Germantown, NC 27019.
Prairie Seed Source (S), P.O. Box 83, North Lakes, WI 53064.
Sunlight Gardens, Inc. (P), Rt. 3, Box 286B, Louden, TN 37774.
Woodlanders (P), 1128 Colleton Ave., Aiken, SC 29801

1986 MINNESOTA BOTANY EXHIBITION

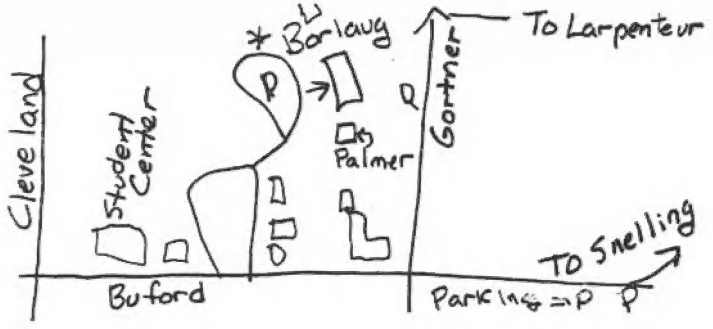
The 4th Annual Minnesota Botany Photographic Salon will be held at the November 5th MNPS monthly meeting. This exhibition is cosponsored by MNPS and the Nature Camera Club of Minneapolis. It is an international exhibition of photography and is listed by the Photographic Society of America. Come see the accepted and award winning slides. Every year there are new facets of Botany beautifully photographed and old flower favorites professionally displayed. Come and enjoy this last spash of nature before we head into the winter season.

The deadline for receipt of slide entries is October 4th, if you have not received an entry form contact Larry Quinn,

FIRST LADIES OF SCIENCE

An 1895 botany class at the Marine Biological Laboratory in Woods Hole, MA, included many of the first women to become well-known scientists in the United States. A group of women had helped found th laboratory in 1888 as a permanent seaside summer school for teachers and researchers. These early women scientists were important pioneers in their fields -- as recently as 1870, there had been no graduate degree programs in science that would even admit women. Today, although more than 25% of all doctoral degrees in science and engineering go to women, women scientists are still paid 71% of what their male counterparts receive.

-- from Bioscience. September, 1986 36(8), page 580



St. Paul Campus
Meetings in Borlaug
Call Board Members
for more information.

CALENDAR OF EVENTS

MNPS monthly meetings are being held at 7:30 pm the first Wednesday of the month in 335 BORLAUG HALL on the St. Paul Campus of the University of Minnesota.

Oct. 1 MNPS monthly meeting: Special Society Meeting; Annual Seed Exchange- Dr. May Wright and Chris Soutter; Prairie Burning- Peg Kohring (if time permits).

Nov. 5 MNPS monthly meeting:
Fourth Annual Minnesota Botany Photographic Salon; co-sponsored by the Minnesota Nature Photography Club and MNPS.

ELECTION OF MNPS BOARD MEMBERS

Elections will be held at the Nov. 5 MNPS monthly meeting to fill several vacancies on the MNPS Board of Directors. Nominations are being solicited to replace the board members and should be submitted by October 2 to Christine Soutter.

TREASURERS REPORT

A treasurers report, not available for this newsletter, will be presented at the October 1st meeting.

Minnesota Plant Press is published by the Minnesota Native Plant Society, 220 Biological Sciences Center, University of Minnesota, 1445 Gortner Avenue, St. Paul, Minnesota, 55108

MNPS DIRECTORY

Board of Directors - 1986/1986

Harriet Mason, President
Neil Anderson, Vice-President
Steve Eggers, Director-at large
Roger Eliason, Treasurer
Sandy Hansen, Secretary
Ruth Phipps, Conservation
Jim Schuster, Newsletter
Christine Soutter, Director-at-large
May Wright, Director-at-large

If you have a news item, article or other information that should be included in the next issue of the Minnesota Plant Press, please send it to the editor: Jim Schuster, Botany Dept., University of Minnesota, 220 Biological Sciences Center, 1445 Gortner Avenue, St. Paul, MN 55108.

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220 Biological Sciences Center,
1445 Gortner Avenue,
University of Minnesota,
St. Paul, Minnesota, 55108

Minnesota Native Plant Society Membership Registration

Mail to: MNPS, 220 Biological Sciences Center, Univ. of Minnesota, St. Paul, MN 55108

_____ New Member _____ Renewal

Membership Categories:

$8.00	_____	Individual	$6.00	_____	Senior (over 62 or retired)
$10.00	_____	Family (Two or more related individuals at same address)	$15.00	_____	Institution
$6.00	_____	Student (Full-time)	$25.00	_____	Donor

Name_____ Address_____

City_____ State_____ Zip_____ Phone_____

U. OF M. CAMPUS ADDRESS:_____

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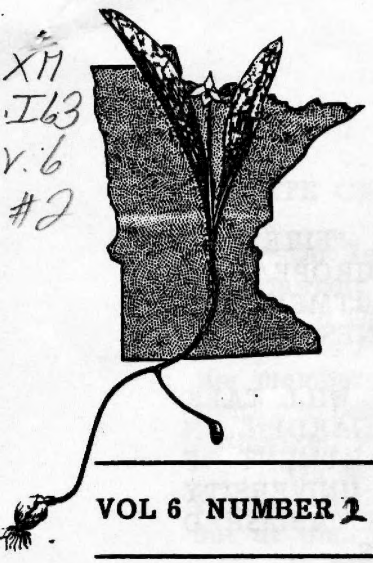

MINNESOTA PLANT PRESS

VOL 6 NUMBER 2 NEWSLETTER OF THE MINNESOTA NATIVE PLANT SOCIETY WINTER 1987

FIRST RECORD OF RED GLOBE-MALLO (Sphaeralcea coccinea) IN MINNESOTA

Every year it seems that one or more new species is added to the list of Minnesota plants. Most are introduced weeds that arrive here in the same manner as the carp or English sparrow. But some are native species that had previously been overlooked, as the case of red globe-mallow. It was found in Minnesota for the first time last year, having been discovered by John Schladweiler, the DNR Nongame Specialist from southwestern Minnesota. The location may surprise some people; it was at Salt Lake in Lac Qui Parle County. This has long been a favorite spot for botanists because of its unique halophytic plant life, such as glasswort (Salicornia rubra), sea-blite (Suaeda depressa) and Alkali-grass (Distichlis stricta).

The globe-mallows were growing on the north side of the lake, only a few hundred feet from the South Dakota border. John didn't record the size of the population or any other particulars because he didn't know what an exciting discovery he had made. He has promised to lead a field trip back to the site next year, so we will get more information then.

The plant is a low perennial with scarlet or red flowers. It is relatively common in the dry and semi-arid regions of the Great Plains, but it had not been found as far east as Minnesota until now. However, its discovery here was not a surprise to Dr. Gerald Ownbey, who had predicted that it would soon be found in Minnesota.

- Welby Smith

EARLY CORAL-ROOT IN OTTER TAIL COUNTY

The Early Coral-root (Corallorhiza trifida Chat.) was found in mid-May of 1986 near Clitherall Lake in southern Otter Tail County. Although this species is known from Becker County to the north and Douglas County to the south, and thus to be expected in Otter Tail, the Clitherall Lake site represents a new county record and one of the most westerly localities thus far reported for this species in Minnesota. Located within an oak, ironwood, basswood stand near the edge of a cattail marsh, its principal associated species were False Lily of the Valley, Wild Sarsaparilla, False Solomon's Seal (Smilacina stellata), Early Meadow Rue, and Enchanter's Nightshade (Circaea quadrisulcata).

The Early Coral-root thus joins the Showy Orchis and the Striped Coral-root as recent new additions to the orchid flora of Otter Tail County. This county is one of the most poorly collected in the state, despite the fact that it ranks among the most vegetatively diverse: remnants of four of the state's six vegetation types occur here (prairie, oak and oak savanna - aspen parkland, maple-basswood, and pine), with only the spruce-fir and the highly restricted riverine elm-ash-cottonwood types unrepresented. It may therefore repay observation by those interested in such esoterica with additional extensions to the established ranges of Minnesota's vascular plant species.

- C. L. Argue

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CALENDAR OF EVENTS

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FEBRUARY 4, 7:30 PM, RM 365 BORLAUG HALL: DR. ERIC GRIMM: "FIRE AND VEGETATION IN SOUTHERN MINNESOTA BEFORE SETTLEMENT BY EUROPEANS",. DR. GRIMM IS A POST-DOCTORAL RESEARCHER IN THE DEPARTMENT OF ECOLOGY AND BEHAVIORAL BIOLOGY AT THE UNIVERSITY OF MINNESOTA.

MARCH 4, 7:30 PM, RM 365 BORLAUG HALL: DR. ROBERT MULLIN WILL TALK ON ESTABLISHING YOUR OWN PRAIRIE AND THE SPRING WOODS GARDEN ON THE ST. PAUL CAMPUS. DR. MULLIN IS A PROFESSOR IN THE DEPARTMENT OF HORTICULTURAL SCIENCE AND LANDSCAPE ARCHITECTURE AT THE UNIVERSITY OF MINNESOTA AND IS REPSONSIBLE FOR A BEAUTIFUL SECTION OF ESTABLISHED PRAIRIE AND A SPRING WOODS GARDEN ON THE ST. PAUL CAMPUS.

APRIL 1, 7:30 PM (room to be announced): RON LORENZ, DNR, "IMPACT OF ACID RAIN IN ECOTYPES OF MINNESOTA"

Brochures and bulletins from many other native plant groups are received by MNPS. If you are interested in any of these and would like to help organize what we have contact Sandy Hansen (645-7318, eves/weekends) or write to her c/o Minnesota Native Plant Society, 220 Biological Sciences Center, Unversity of Minnesota, St. Paul, MN 55108.

Minnesota Native Plant Society Membership Registration

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Name_____ Address_____

City_____ State_____ Zip_____ Phone_____

U. OF M. CAMPUS ADDRESS:_____

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UPDATE ON THE LAWSUIT

On September 16, 1986, the Minnesota Native Plant Society was served with a libel lawsuit brought against us by Tony Tonga, the manager of Nerstrand Woods State Park. On October 1, 1986, attorney Stephen S. Eckman attended the board meeting of the Native Plant Society to explain our options. The board and later that same evening the membership chose to have Atty. Eckman look into the matter, try to resolve it simply if possible, and if not to proceed with a counterclaim. A retainer of $500 was authorized for Atty. Eckman.

On November 2, an Answer and Counterclaim was filed against Mr. Tonga. Atty. Eckman was to have met with Mr. Tonga and his attorney, Ronald Moersch of Northfield, but at their request, the meeting was rescheduled for December 18.

It has been our hope all along that the matter could be resolved simply and without great time or expense. That still remains to be seen, as Mr. Tonga's deposition alone cost us $400.40. The bank balance tells us that we need to think about securing additional money.

CONTRIBUTIONS ARE NEEDED

At our December and January meetings, we decided to ask for voluntary contributions to help support the lawsuit. We urge everyone to contribute as much as they wish or are able. Every amount adds to the total. The contributions may be sent to The Minnesota Native Plant Society, 220 Biological Sciences Center, 1445 Gortner Avenue, St. Paul, MN 55108. Please designate that your contributions should go into the fund for the lawsuit.

Our organization has never been a fund-raising organization, and we hope that the lawsuit can be settled before fund raising actually becomes necessary. However, if voluntary contributions cannot generate enough money to cover expenses, we will need to have an organized fundraising effort. If anyone has had experience in fund-raising and/or if you would be interested in helping with any possible fund-raising activities, please call any board member and volunteer your services. We need your help.

TREASURER'S REPORT

Financial Statement Sept. 15, 1986 - Dec. 1, 1986.

EXPENSES		INCOME	
Postage	70.40	Membership Dues	233.00
Printing	19.08	Draft Dividends	2.61
Misc.	16.95	Savings Dividends	9.26
Lawyer (Retainer)	500.00	Gifts	22.25
TOTAL	606.43	TOTAL	267.12

ASSETS AS OF:	**9/21/86**	**12/1/86**
Draft Account	154.46	505.29
Savings Account	636.30	10.56
Petty Cash	76.00	11.60
TOTAL	866.76	527.45

SYMPOSIUM AT BELL MUSEUM ON FEBRUARY 7TH

"FIRST IN THE NATION: A review of Minnesota's Nontraditional Wildlife Programs for Education Research, and Management", Bell Museum of Natural History, 10 Church St. S.E., Minneapolis, MN 55455.

February marks the tenth anniversary of the creation of the nongame wildlife program in the Minnesota Department of Natural Resources. The citizen support for this program ranks "first in the Nation."

This day-long symposium will provide an opportunity to learn about nongame species such as dragonflies, wolves and skinks, and to become familiar with Minnesota conservation groups. There will also be an opportunity to engage in discussions about future directions for nongame conservation work. Call Carrol Henderson, 296-3344 John Moriarty, 647-1334 or Anna Pidgeon, 624-3595 for registration information.

RANGE EXTENSION FOR BEAKED SPIKE-RUSH

On September 5, 1986, a population of beaked spike-rush (Eleocharis rostellata Torrey), a species listed as threatened in Minnesota, was discovered in a calcareous fen plant community within the Savage Fen wetland complex in Scott County. As illustrated by the range map, the Scott County population is quite disjunct from the other seven recorded Minnesota populations of this species in four northwestern to northcentral counties. All of these records have been made since 1980. A diagnostic characteristic of beaked spike-rush is that it often produces arching culms (stems) that root at the tips.

At the Scott County site, beaked spike-rush was a codominant species in a ¼ to ½ acre area along with three other members of the sedge family that are also listed as threatened in Minnesota: sterile sedge (Carex sterilis), nut-rush (Scleria verticillata), and fen beak-rush (Rhynchospora capillacea). Other associates included shrubby cinquefoil (Potentilla fruticosa), lesser fringed gentian (Gentiana procera) and grass-of-parnassus (Parnassia glauca).

The beaked spike-rush was found in a calcareous fen plant community. Calcareous fens are one of the rarest wetland plant communities in North America. These communities are supported by groundwater discharge where the groundwater originates in calcareous glacial till or dolomite bedrock such that it is rich in calcium and magnesium bicarbonates, and sometimes calcium and magnesium sulfates as well. The calcium and magnesium salts precipitate out at the surface creating a harsh, alkaline soil condition that only a select group of plants can tolerate - the calcareous fen community.

The 424-acre Savage Fen wetland complex, where the beaked spike-rush was found, includes 69 acres of calcareous fen communities - it is one of the largest and best preserved calcareous fens in Minnesota. This wetland complex is zoned for commercial/industrial development and is currently the focus of controversy between development and preservation interests. On the positive side, a 26-acre parcel has recently become part of the Minnesota Valley National Wildlife Refuge, and negotiations are underway concerning acquisition of other parcels by preservation interests.

- Steve Eggers

BITTERSWEET INVASION

A hardy and noxious weed called oriental bittersweet is threatening a hostile takeover of the northeastern United States. Not only is the weed choking native plants and hindering new forest growth as it spreads, but its berries, leaves and stems are poisonous — especially to young children.

Oriental bittersweet is identified as a winding, woody vine that has clusters of yellow, husked berries. It has established a firm foothold for several reasons. First, people often confuse it with the native bittersweet, a desirous and somewhat rare plant. New England nurseries and mail order houses have even sold it as the native strain. Secondly, its an aggressive vine that spreads rapidly. And because its fruit is attractive to many animals and birds, its seeds are dispersed through their droppings.

In its march across the Northeast, oriental bittersweet wreaks havoc with forest regeneration by choking young saplings. It is also a major contributor to the decline of native bittersweet.

The two bittersweets are easily distinguished. Oriental bittersweet provides clusters of yellow berries at the base of each leaf. The native bittersweet produces berries at the end of each branch and its leaves are narrower.

- Reprinted from Dow's fall 1986 issue of "The Bottom Line"

MINNESOTA NATURE PHOTOGRAPHY CLUB

The Minnesota Nature Photography Club (formerly the Nature Camera Club) meets the second Monday of each month (September through May) at Central Community Center of St. Louis Park, located just west of Wooddale on Highway 7. Meetings begin at 7:00 PM and include slide competition and educational commentary. The next meeting of this organization will be held on February 9, 1987. The topic of the presentation will be "Animals of Yellowstone and Grand Tetons", with commentary by Milan & Lou Sedio. For more information contact Florence M. Scholljegerdes at (612) 835-7718.

"JUNGLE TODAY, GONE TOMORROW"

Eastman Nature Center is offering a special program on jungle deforestation and the effects it is going to have on Minnesota. Our summer birds are losing their wintering areas, and native wildlife is losing its habitat. The amount of atmospheric oxygen and the global climate may be affected as well. Speakers at the presentation will be Carrol Henderson, a DNR Non-game Wildlife Supervisor, and Kevin Winker, a UM Ecology graduate student. The program will be held at Eastman Nature Center, 13351 Elm Creek Road, Osseo, MN, at 7:30 PM on Tuesday 17 February. Admission is $2. For reservations, call 420-4300.

ECOLOGY CAMP

National Audubon Ecology Camp has a 30 year tradition of continuing education near Spooner, Wisconsin. Several basic sessions (one week or two weeks) are available as well as special sessions for families and for fitness buffs. Activities generally emphasize bird study and banding, plant and animal populations and lore, the chemistry of Northern lakes and optional opportunities in canoeing and photography. University credit is available through the University of Wisconsin, Superior. To learn more, call Julie Francis at the National Audubon Society, (612) 375-9140.

MNPS DIRECTORY

Board of Directors

Harriet Mason, President (507)	931-2225
Neil Anderson, Vice-President	644-5806
Steve Eggers, Director-at-large	725-7772
Roger Eliason, Treasurer	379-2785
Sandy Bartell Hansen, Secretary	645-7318
Ruth Phipps, Conservation	457-8908
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Christine Soutter, Director-at-large	228-0306
May Wright, Director-at-large	429-7674

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If you have a news item, article or other information that should be included in the next issue of the Minnesota Plant Press, please send it to the editor: James Schuster, Botany Dept. University of Minnesota, 220 Biological Sciences Center, St. Paul, MN 55108.

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Minnesota Plant Press may be obtained through membership in the society: Single-$8.00, Family-$10.00, Student - $6.00.

Early Coral-root, from Voss, E. 1973 Michigan Flora Part I: Monocots Cranbrook Institute.

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MNPS UPCOMING MEETINGS
Wednes, 7:30 pm,
365 Borlaug Hall

Feb 4-Eric Grimm,
Fire and Vegetation
in Southern Minnesota before
Settlement by Europeans

Mar 4-Robert Mullin,
Establishing a Prairie
and a Spring Woods Garden

Apr 1-Ron Lorenz,
Impact of Acid Rain in
Ecotypes in Minnesota

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Minnesota Plant Press is published by
the Minnesota Native Plant Society,
220 Biological Sciences Center,
1445 Gortner Avenue,
University of Minnesota,
St. Paul, Minnesota, 55108

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ANNUAL DUES LAST PAID:

MINNESOTA PLANT PRESS

VOL 6 NUMBER 3 NEWSLETTER OF THE MINNESOTA NATIVE PLANT SOCIETY SPRING 1987

WILDFLOWER SEEDLING AND TRANSPLANT SALE

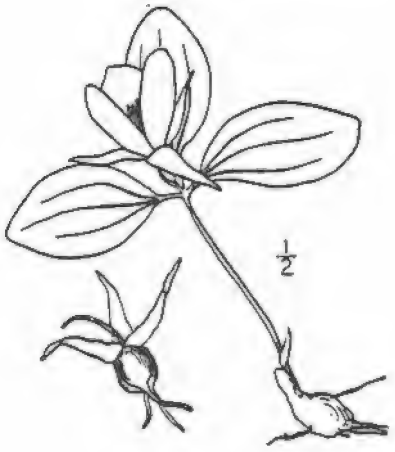
One of the MNPS goals is the conservation of native plants. We can enjoy wildflowers in our gardens, without disturbing native populations, by gardening with plants started from seed and by transplants from another garden.

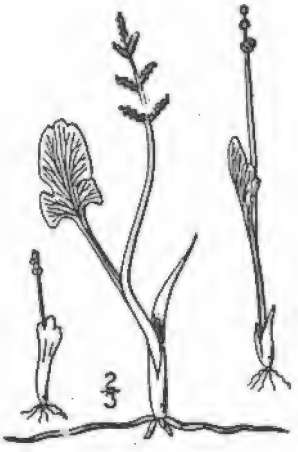
As part of the May meeting, a sale of wildflower garden transplants and seedlings will be held. This year there will be a $1 charge for each plant. Proceeds will be added to the lawsuit fund.

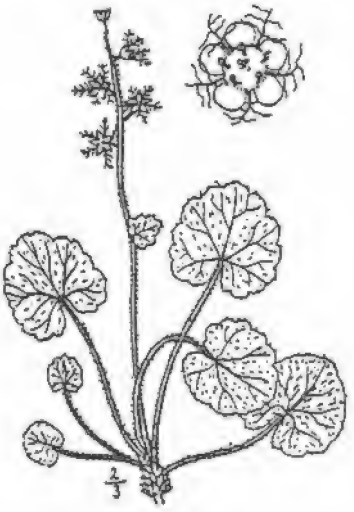
Please help make this fundraiser a success by donating and purchasing transplants and seedlings. Plants accepted for this sale are to be native plants started from seed and native wildflower transplants from gardens. PLEASE DO NOT COLLECT WILD PLANTS FOR THIS SALE. Plants should be labeled with the plant name and name of donor. Come a little early to drop off your plants before the meeting.

MAY MEETING

The next meeting will be held on 6 May, 7:30 pm, 365 Borlaug Hall. A slide show from previous field trips will be presented followed by the wildflower plant sale.







From: Britton and Brown, 1970.

NEWS FROM THE U OF M HERBARIUM

Last December's meeting was held at the Univ. of Minnesota Herbarium, where we had a tour and presentation by Dr. Anita Cholewa, Herbarium Manager. The Herbarium, a specialized kind of museum part of the Dept. of Botany, has important roles in biosystematic research and public service. It is the 12th largest herbarium in the country, containing over 780,000 dried specimens of fungi, algae, lichens, mosses, gymnosperms, and angiosperms, with the best collection of Minnesota plants and also a very good representation of the floras of the Upper Midwest and Arctic.

The Herbarium will be increasing its public service role, providing tours and formal presentations to classes (both from the University and from local high schools and colleges) and to wildflower and garden clubs. Plant identifications will continue to be provided free of charge for the public (generally the Herbarium handles wild plants; garden plants are done by the Dial-U Extension Service). Herbarium staff may also be hosting future workshops and field trips.

For more information regarding this resource call the U of M Dept. of Botany,

PLANT IDENTIFICATION WORKSHOP -- offered by Dr. Anita Cholewa, Tuesday, 28 April or 5 May, 7-9 pm, room 182 in the Biological Sciences Center on the St. Paul Campus -- an introduction to basic floral terminology so that field guides and identification keys can be used more effectively. Space is limited so please call for reservations: Anita Cholewa or Jean Stevens
Free of charge.

TREASURER'S REPORT

Financial Statement 1 Feb 1987 - 1 March 1987

EXPENSES		INCOME	
Lawsuit	45.00	Membership dues	384.00
Postage	44.00	Lawsuit Fund	205.00
Printing	63.21		
Total	$152.21	Total	$589.00

ASSETS AS OF:	1 Feb 87	1 Mar 87
Draft Account	1540.29	1977.08
Savings Account	10.56	10.56
Petty Cash	11.60	11.60
Total	$1562.45	$1999.24

LAWSUIT FUND TOTAL: $318.00
Does not include retainer of $500.00
A total of $863.00 has been contributed to date

Saturday Field Trips 1987

We have listed the field trips sponsored by The Nature Conservancy. You are welcome to participate if you wish. The MNPS has scheduled additional field trips in the hopes that you will be able to participate in as many field trips as you can.

The board of the MNPS would like field trip participants to realize that the MNPS does not carry insurance of any kind.

May 9 - TNC TRIP - SPRING WILDFLOWERS AT WOLSFELD WOODS

May 16 - TNC TRIP - CEDAR CREEK NATURAL HISTORY AREA

May 30 - TNC TRIP - NATURAL HISTORY OF THE CANNON RIVER VALLEY -- BY BICYCLE

May 31 - CREX MEADOWS

June 6 - JIM MCKEE PRAIRIE, MAPLEWOOD

June 13 - WARNER NATURE CENTER BOG AND/OR MAY WRIGHT'S WILDFLOWER GARDEN

June 27 - STRANDNESS PRAIRIE

August 1 - WEAVER BOTTOMS CANOE TRIP

TNC TRIP - SPRING WILDFLOWERS AT WOLSFELD WOODS

Date: Saturday May 9, 1987
Time: 7:30 a.m. to 10:30 a.m.

Description: The towering oaks, maples and basswoods of Wolsfeld Woods comprise Minnesota's best remaining example of the Big Woods forest that once covered much of central Minnesota. This lovely 220-tract is just a half hour's drive from downtown Minneapolis.

This year, The Nature Conservancy members have been invited to join the annual "Friends of Wolsfeld Woods" wildflower and bird walk. The chance to see the wildflowers which respond to the early spring light reaching the forest floor is not to be missed. With luck, the warblers and other migrants will join the resident birds in bringing color to the treetops.

Directions: Take Hwy. 12 west from Minneapolis to the town of Long Lake. Just past the stop light, go right on Brown Road. Brown Road is a dead-end into County Road 6. Jog left about 100 yards into church parking lot.

Leaders: Evelyn Moyle and Peg Kohring. Evelyn Moyle has spent a lifetime observing and enjoying Minnesota's wildlife. She is the co-author and photographer of Northland Wildflowers. Peg Kohring is Chapter Director and an accomplished botanist.

TNC TRIP - CEDAR CREEK NATURAL HISTORY AREA

Date: May 16, 1987
Time: 9:00 a.m. to 12:00 noon

Description: Cedar Creek Natural History Area is a 5,460 acre research facility operated by the University of Minnesota in cooperation with the Minnesota Academy of Science. It is located on the Anoka Sand Plain in Isanti and Anoka counties, about 30 miles north of Minneapolis on U.S. Hwy. 65. The area contains a unique blend of forest, prairies, marshes, lakes, ponds and agricultural field.

After a slide presentation highlighting the geologic history of Cedar Creek and the research going on there, we will visit a cedar bog, upland hardwoods, ice-block lake and oak savanna habitats. In the oak savanna we will examine the effects of the spring burning program.

Directions: Meet at main laboratory (2660 NE Fawn Lake Drive). From the Twin Cities take Central Avenue north to Spring Lake Park. Continue north, on Hwy. 65 for approximately 21 miles. Exit onto County Road 24 and go east for one mile to a fork in the road (and the end of Co. Rd. 24). Turn left onto Fawn Lake Drive and travel approximately one mile. Turn right into driveway.

Facilities at Cedar Creek are available for a picnic lunch after the field trip.

Leaders: David Bosanko manages Cedar Creek and is a biologist with the University of Minnesota. Bab Delaney is a graduate student in botany at the U of M doing research at Cedar Creek.

TNC TRIP - NATURAL HISTORY OF THE CANNON RIVER VALLEY — BY BICYCLE

Date: May 30, 1987
Time: 10:00 a.m. to 4:00 p.m. (30 miles round trip)

Description: Paralleling the Cannon River for 19 miles, the Cannon River Valley Trail follows an old railroad route. Just completed in 1986, the trail transects the lower valley offering spectacular scenery and a chance to observe microclimates that harbor a diverse assemblage of bluffland plants and animals, including rare and unusual species.

Depending on weather conditions, one can expect to see sunning reptiles, nesting turtles, numerous raptors, bluebirds, and other trail users.

Scheduled stops include exploration of lichen-covered rock outcrops, blooming prairie plants, scenic overlooks, a train wreck site and the nesting areas of the wood turtle (a threatened species).

Directions: Meet at the ballfields in Cannon Falls. From the Twin Cities take U.S. Hwy. 52 south to Highway 19 exit in Cannon Falls. Go east on Hwy. 19 through downtown and make two right angle turns. Look for Bridge Street (between school and church) and turn north. At "T" intersection turn right (east) and go 1/2 mile to ballfields.

What to bring: No bicycle rental is available so bring your own, and gear suitable for a 30-mile round trip. Bring a lunch and something to drink. Toilet facilities available along the trail.

Leaders: Bruce Blair, manager of the trail since June, 1986 is a graduate of the University of Minnesota with a degree in landscape architecture. Carol Dorff is Coordinator of TNC's Registry Program and is working on wood turtle protection along the Cannon River through landowner registry.

SPRING WILDFLOWERS AND NATURAL HISTORY OF CREX MEADOWS WILDLIFE AREA

Location: Crex Meadows Wildlife Area. Burnett County, Wisconsin
Date: Sunday, May 31, 1987
Time: 9:30 - Noon

Meeting Place: Crex Meadows Headquarters, 1/2 mile north of the Village of Grantsburg. The headquarters building is in the SW corner of the wildlife area, just east of the junction of County Trunks D and F.

Specific directions to Crex are marked by signs posted from the intersection of Highways 48 and 70, as well as throughout the entire village. Crex is about 1 1/2 to 2 hours NE of the Twin Cities.

Description: Crex Meadows is a wet prairie in the basin of Glacial Lake Grantsburg. Modern conservation efforts are returning this area to a state similar to its original post-glacial condition: scrub oak prairie/wet meadow. Although deciduous forest areas remain, the major botanical highlights may be found on the prairie and in the marshes. A spectacular violet and other wildflower show is a sight not soon forgotten after a spring trip to Crex.

Leader: Jim Hoefler, Interpretive Wildlife Manager, Wisconsin DNR. Jim has spent over six years in charge of the interpretive programs at Crex Meadows and the other components that comprise the Glacial Lake Grantsburg Wildlife Management Area.

Particulars: Parts of the prairie may be wet, so be sure to bring suitable footgear. Rubber boots are not required, but you may want to bring them if you plan on doing some individual botanizing after the field trip. A hand lens and field guides will be useful, and if you are a bird watcher, be sure to bring your binoculars (Crex is famous for its waterfowl and other birds). Sack lunch if you wish.

For More Information contact: Jim Schuster,

JIM MAC KEE PRAIRIE, MAPLEWOOD

Date: Saturday, June 6, 1987
Time: 10:00 a.m. to 11:30 a.m.

Description: Jim McKee Prairie is an undisturbed remnant of black soil prairie in Ramsey County. It is owned by the City of Maplewood and is managed by the Maplewood Nature Center. The three acre site is remarkable for its purity and diversity. Among the plants in flower this day may be stargrass, hoary puccoon, Indian paintbrush, spiderwort, two-flowered Cynthia and alumroot.

Meeting Place: Meet at Maplewood Nature Center, 2659 East Seventh Street in Maplewood.

What to bring: Wear long sleeves and long pants. Terrain is not too difficult, but it may be damp.

Leader: Chris Soutter, naturalist at Maplewood Nature Center. For further information call

WARNER NATURE CENTER BOG AND/OR MAY WRIGHT'S WILDFLOWER GARDEN

Date: June 13, 1987
Time: Bog - 10:00 a.m. to 12:00 noon
Garden - 1:30 p.m. to 2:30 p.m.

BOG

Directions: Meet at the Rose and Lee Warner Nature Center Building. From the Twin Cities take Interstate 35E north to the Hugo exit, then east on Co. Rd. 14 into Hugo. Take Hwy. 61 north to Co. Rd. 4, then east 7 1/2 miles on 4 to Co. Rd. 55. South one and a half miles on Co. Rd. 55 will bring you to the Nature Center. From the Twin Cities it takes about one hour.

Leader: Tom Anderson is a naturalist at the Warner Nature Center.

What to bring: Lunch (to be east on the tree top high deck at the Nature Center); shoes for wet areas.

GARDEN

Description: May Wright's garden is a reproduction of Minnesota's three main habitats: northwoods, deciduous, and prairie. The 200 species of wildflowers and ferns native to Minnesota are used for germination and culture studies. There should be something blooming in each area.

Directions:

Leader: Dr. May Wright has given several lectures at MNPS meetings concerning germinating and growing native plants. She is a wealth of information on the subject.

STRANDNESS PRAIRIE

Date: June 27, 1987
Time: 11:00 a.m. until 2:30 p.m.

Description: Strandness Prairie is a tall grass prairie that has never been plowed or grazed. There are wet, mesic and dry portions in the 37 acres giving a feeling of vastness of the original prairie. Two hundred species of plants grow there. This is an excellent time to see many in bloom such as the Death Camass and the vetches.

Directions: Meet at the Canon Bowl Restaurant at the top of the hill in Glenwood. From the Twin Cities take Interstate 94 to Sauk Center. Then go west on Hwy. 28 Glenwood. It takes about 3 hours from the Twin Cities.

What to bring: Lunch, comfortable shoes, and rain gear.

Leader: Ellen Ordway is a biology teacher at the University of Minnesota - Morris. She is well acquainted with the prairie through her insect research and teaching.

WEAVER BOTTOMS CANOE TRIP: LOTUS IN BLOOM AND OTHER AQUATIC PLANTS

Date: Saturday, August 1, 1987
Time: 10:00 a.m.

Description: Weaver Bottoms is a backwater of the Mississippi River and is composed of a diversity of wetland plant communities including deep marsh, shallow marsh and floodplain forest. The emphasis of the trip will be observing and identifying wetland plants. The highlight of the trip will be (hopefully) observing the extensive lotus beds in bloom. We will see a wide variety of submergent, floating-leaved and emergent plants. Also observed should be a number of species of waterfowl and wading birds. We will not be canoeing any great distance but simply using the canoes for easy access to the wetland plant communities.

Directions: Weaver Bottoms is located in Wabasha County between Kellogg and Minneiska. From the Twin Cities, take Hwy. 61 south to the Weaver boat landing. The landing is just off the east side of Hwy. 61. Look for U.S. Fish and Wildlife Service refuge sign and the Weaver railroad shack. If you cross the Whitewater River, you have gone too far south. It is about a 2.00-2.5 hour drive from the Twin Cities.

What to Bring: Canoe (if you have one), insect repellent, lunch, rain gear, and camera.

Leader: Steve Eggers , an ecologist with the Saint Paul District Corps of Engineers.

LANDSCAPE DESIGN CONFERENCE - Native Plants: How, Why, & What

23-24 April, Wyndham Hotel Southpark, Austin TX
Sponsored by the National Wildflower Research Center; for more inofrmation call 512-929-3600. (The recent issue of "Smithsonian" magazine has a lovely article on the Wildflower Research Center, which by the way was started by Lady Bird Johnson.)

Vacationing outside Minnesota this summer? Other wild flower societies may be able to help plant hunters with field trips or other information. Contact the following organizations before you go:

New England Wild Flower Society
Hemenway Rd.
Framingham MA 01701

Northern Nevada Native Plant Society
Box 8965
Reno NV 89507

Virginia Wildflower Preservation Society
P.O. Box 844
Annandale VA 22003

Field Botanists of Ontario
45 Massey Street
Bramalea, Ontario L6S 2V8

METRO AREA CALENDAR OF EVENTS

21-23 April -- Women in Natural Resources: Moving Towards the 90's; Holiday Inn East (I-94 and McKnight Rd., St. Paul); conference focusing on women involved in resource management on a day-to-day basis; for more information and registration call Ann Mayhew or Kathy Bolin

23 & 30 April -- Woodland Wildflowers
10 am - Noon; U of M Landscape Arboretum;
2-session mini-class on wildflower identification;
$10 members, $15 non-members; preregistration required;
612-443-2460 for information and registration

29 April - 2 May -- Art in Bloom
exhibit at the Minneapolis Institute of Art; floral displays will complement art from the Institute's permanent collection; the 80 piece Minnich Collection of botanical prints and drawings will also be on display;
612-870-3045 for information

3 May -- Twin Cities Spring Flora
9 am - noon; sponsored by the Bell Museum of Natural History; explore Nine Mile Creek with botanist Robert Bergad;
$4 members, $5 non-members; paid registration deadline 17 April; 612-624-1852 for information

6 May -- The Future of Secondary Tropical Forests
10 am, North Central Forest Experiment Station, UM St. Paul campus; presentation by Dr. Frank Wadsworth from the Forest Service's Institute of Tropical Forestry, Puerto Rico

9 May -- Plant Sale, Garden Club of Ramsey County
8 am - 2 pm; Messiah Episcopal Church, 1631 Ford Parkway, St. Paul

14 May -- Why the Concern About Tropical Forest?
Noon, North Central Forest Experiment Station, UM St. Paul campus; presentation by Dr. Franklin Barnwell, Dept. of Ecology & Behavioral Biology, U of M.

16 May -- Plant Sale, MN State Horticultural Society, 7th Dist.
10 am - 4 pm; Como Conservatory, Como Park, St. Paul

16 May -- Plant Sale, U of M Landscape Arboretum
10 am - noon: members only
noon - 2 pm: general public
612-443-2460 for information

17 May -- Family Canoe Trip on St. Croix River
9 am - 5 pm; sponsored by the Bell Museum; $14 members, $16 non-members; fee includes canoe, shuttle back to car, and basic instructions; space limited; paid registration deadline 1 May; 612-624-1852 for information and registration

23-25 May -- Family Camping at Afton State Park
Friday evening through Sunday; sponsored by the Bell Museum; $25 adult members, $20 children members, $30 adult non-members, $25 children non-members; paid registration deadline 8 May; 612-624-1852 for information and registration

LAST CALL for 1987 dues. This is the last newsletter for lapsed memberships; check your mailing label for membership status.

Minnesota Native Plant Society Membership Registration

Mail to: Minnesota Native Plant Society, 220 Biological Sciences Center, Univ. of Minnesota, St. Paul, MN 55108

_____ New Member _____ Renewal

Membership Categories:

$8.00	_____	Individual	$6.00	_____	Senior (over 62 or retired)
$10.00	_____	Family (Two or more related individuals at same address)	$15.00	_____	Institution
$6.00	_____	Student (Full-time)	$25.00	_____	Donor

Name_____ Address_____

City_____ State_____ Zip_____ Phone_____

U. OF M. CAMPUS ADDRESS:_____

_____

MNPS DIRECTORY

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Harriet Mason, President
Ruth Phipps, Treasurer
Jim Shuster, Secretary
(Note: a vice-president has not yet been appointed)
Neil Anderson, Director-at-large
Steve Eggers, Director-at-large
Dave McLaughlin, Director-at-large
Christine Soutter, Director-at-large
May Wright, Director-at-large

Many thanks to Roger Eliason, past Treasurer, and especially to Sandy Hansen, past Secretary. Sandy will be leaving the area to take up residence and botanizing along the east coast. We will miss you greatly Sandy!

Newsletter staff:
Anita Cholewa
Debbie Olmstead
Roberta Sladky

If you have a news item, article, or other information that should be included in the next issue of the Minnesota Plant Press, please send it to Anita or Roberta, Dept. of Botany, Univ. of Minnesota, St. Paul, MN 55108.

Minnesota Plant Press may be obtained through membership in the Society: $8 individual, $10 family, $6 student.

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